Adoption of Commercial EDI Standards for DoD Logistics Business Transactions Integrated Product Team (*EDI IPT*) – Expanded

Report to Joint Small Arms Coordinating Group (JSACG) April 24, *2001*

IPT Administration

- IPT formed by JECPO/eBusiness at the direction of DRID #48 to produce a comprehensive plan that identifies a phased approach to migrate DoD logistics business systems to use of commercial EDI standards

- Team chartered by OSD, chaired by JECPO/eBusiness, with Military Service/Defense Agency members

- DoD migration Website: http://www.dla.mil/j-6/log-edi provides: IPT mission, meeting minutes, migration documents, IPT membership/support group, briefings, training opportunities, and links to other Websites of interest

Review of IPT Actions

- Dec 1998: DRID #48…directed migration to commercial EDI standards
  - Replace proprietary DoD logistics information exchange standards
  - Stepping-stone to open international standards
  - Implement through process improvements and business systems upgrades
- Sep 1999: DUSD(AT&L) Memorandum…provided interim policy guidance
  - Use approved EDI commercial standards
  - Expand DLMS scope to cover all EB/EC methods
  - Use DLMS as an enabler in new, replacement, and major modifications to logistics business systems
- Mar 2000: DUSD(L&MR) Memorandum…limited changes to DLSS
  - Approve only critical DLSS changes
  - Consider changes to correct operational deficiencies or implement process improvements

Review of IPT Actions

- Apr 2000: DUSD(L&MR)/C3I…published DoD-wide Corporate-level EDI Implementation Plan
  - Implements DoD policy and guidance
  - Provides for Corporate services
  - Sets framework for preparation of Component plans

- May 2000: DoD Directive 8190.1…established logistics EDI policy
  - Supersedes DRID #48 and Sep 1999 policy memorandum
  - Assigns responsibilities to replace DoD-unique logistics data exchange standards
  - Directs use of approved EDI standards & supporting ICs

- May 2000: DUSD(L&MR) Memorandum…delegated DoD logistics data administration responsibilities to DLMSO

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Review of IPT Actions

- Nov 2000: DUSD(L&MR) Memorandum... established policy for community data exchange services for logistics business processes
  - DLMS applies to all logistics transactions and business processes regardless of technology employed
  - Components shall use corporate services of DLMSO and DAASC for their logistics business processes
- Jan 2001: Proposed DUSD(L&MR) Memorandum (in staffing)...clarifies DoD Directive 8190.1 by prohibiting use of the DLSS for new, replacement, and major modifications to logistics business processes/systems

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Review of IPT Actions

- Jan 2001: DoD Policy Directive 8190.1, Change 1 (in staffing)
  - Prohibits use of DLSS in new and modernized business processes
  - Requires use of DLMSO/DAASC corporate services
- Jan 2001: XML and other technology expansion... DLMSO and DAASC working with JECPO engineers and ManTech to:
  - Test "XML Solutions" capability to transform X12 to XML DTDs
  - Validate DEBX integration and data quality
  - Assure XML "pass back" capability
  - Develop roadmap to migrate from DLSS/DLMS EDI to XML and beyond
  - Support ERP (IDOC (SAP)) and other COTS solutions
  - Pursue XML training – future XML DTD/X12 DLMS IC effort

Review of IPT Actions

- Jan 2001: ASC X12/DLMS training program developed
  - Modular design
    - Introduction to DLMS (background, policy, players)
    - Implementation strategy
    - EDI concepts and building blocks
    - Overview of DLMS functionality
  - Initial offering
    - Session I, DLMS Supply & Finance PRC training:
    - Mar 19-20, 01
    - Session II, open participation: Ft. Belvoir area,
    - Apr 24-25, 01,
    - Future course offerings based on demand
    - Course description and to register interest in future sessions at your location: http://www.fecrc.com/dlms.html

EDI IPT Ongoing Actions

- Component updates to LIB
- Component implementation plan approvals/ updates...initial draft inputs November/December 2000...semiannual updates requested
- Continued exploration into new EB/EC methods such as XML/SAP IDOC/BOD
- Corporate support to Component training needs
- Address Component implementation concerns as they arise

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IPT Current Actions

- Mar 13-14, 2001: EDI IPT Meeting … expanded scope of existing IPT to exploit full potential of community services concept
  - Wider Audience: enterprise resource planning (ERP) program managers and implementers
  - Goal: identify common requirements that enable interoperability and support logistics management
  - Scope: includes data standards and business rule development … transactions, routing, archiving, translation, reference data repository management
  - Status Briefings: Community services updates
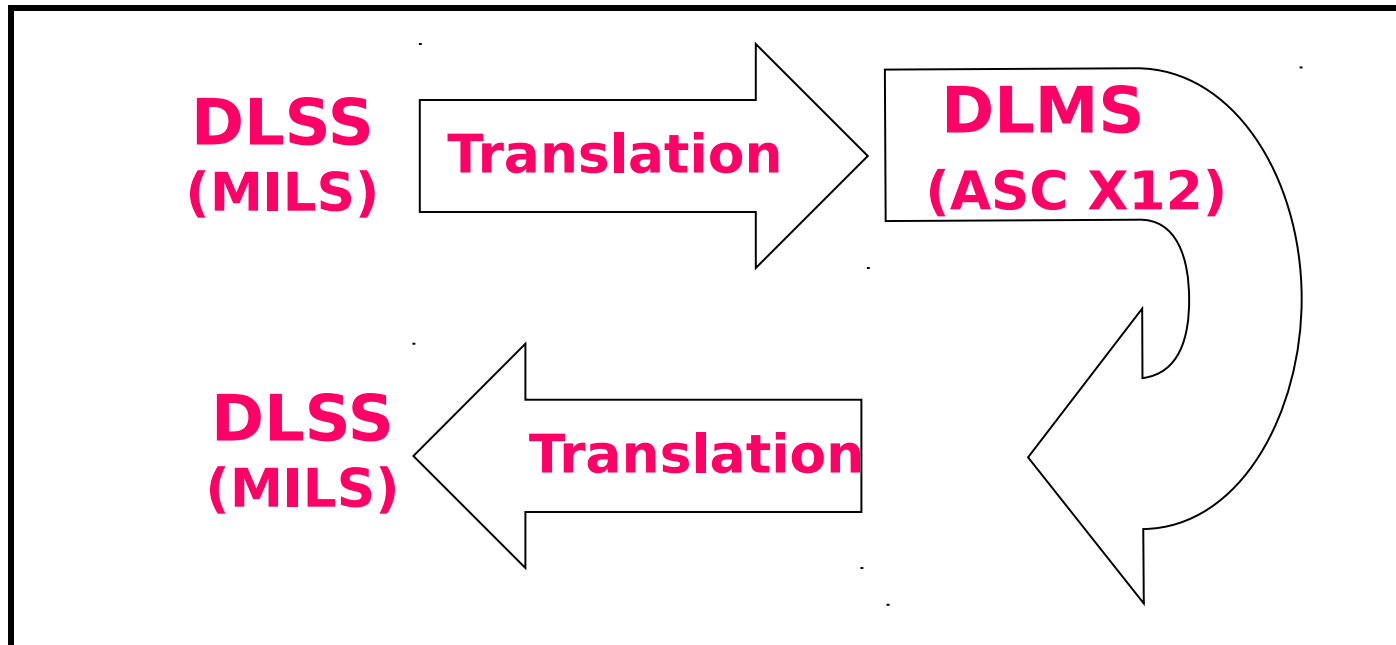 - Overview Briefings: Logistics modernization updates

EDI IPT - Expanded

- Assess corporate capability to collaboratively support:
  - Business rules and data standards
  - Transaction, routing, archiving, and translation
  - Reference data repositories

- Determine gaps - current capabilities and requirements

- Develop enterprise-wide plan to guide DoD logistics:
  - Needed community services for ERP implementation
  - Needed community services for ERP operations
  - Synchronization of services and ERP schedules
  - Mechanisms and approach for evolution:
    - Community Services and Enterprise-wide Architecture

Current Translation Capability

DoD Electronic Business eXchange (DEBX) translation software automates the process of transforming Component DLSS (MILS) data into DLMS (ASC X12) transactions and back to DLSS

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Defense Logistics Management System (DLMS)

"A broad base of business rules to include uniform policies,

procedures, time standards, transactions, and data management

designed to meet DoD's

requirements for total logistics support. The DLMS is founded upon

the sound application of ANSI ASC X12 EDI and will be expanded to

employ other emerging EB/EC technologies such as: data sharing,

automated

identification technology, object-oriented user interfaces,

electronic malls, web-based technology, and electronic funds

transfer,

Opens the door to new and emerging technologies

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Technology Expansion

DRID #48 IPT and DoD policy mandated support for emerging EB/EC technologies:

✓ **DLMSO partnering with ManTech, "Enterprise Integration Center"**

✓ **Currently in process:**
- **Testing COTS capability to transform X12 to XML**
- **Developing roadmap – migration from DLSS/DLMS EDI to XML and beyond**
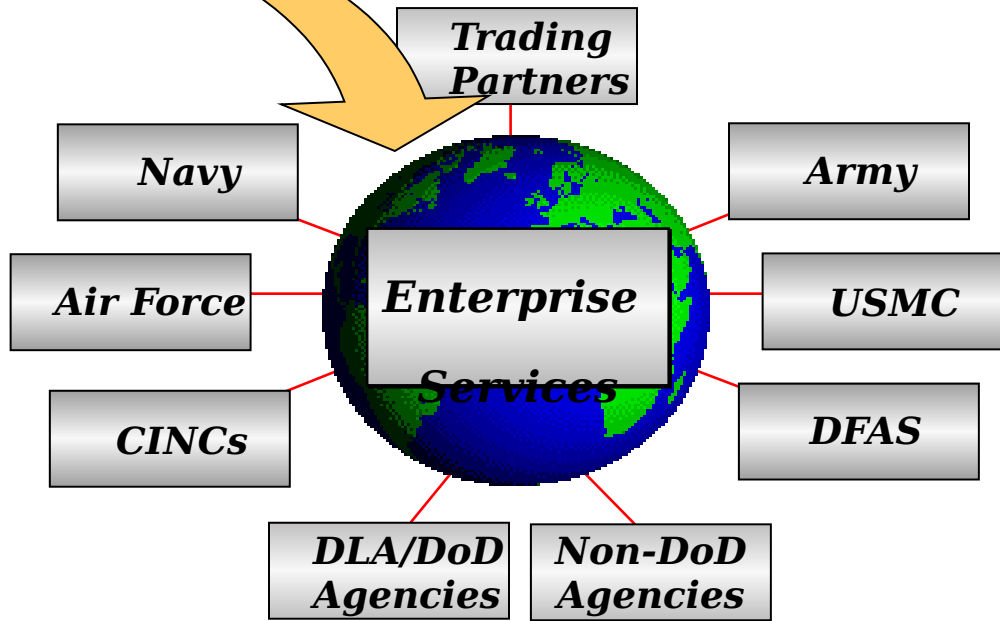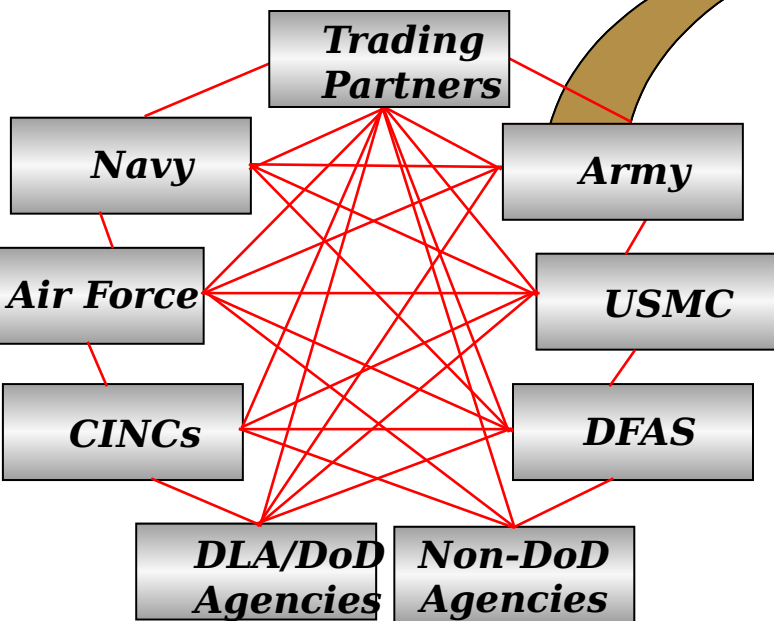- **Support for ERP (IDOC (SAP)) and other COTS solutions**

Objective

Centralized enterprise data exchange services to accelerate logistics systems modernization

Summary

The DLMS:

- Is based on a commercial standard (ANSI AS
- Meets DoD requirement for total logistics su
- May be expanded to support emerging elect business/electronic commerce capabilities.

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